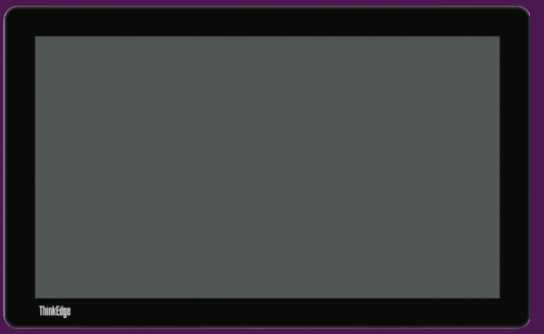


ThinkEdge SE50a-15 Gen1

Engineered for demanding enterprise environments, the desktop leverages Intel Core 5/7 Processor (Series 1) on Intel SoC platform with Windows 11 IoT Enterprise LTSC 2024 or Ubuntu Linux support. Up to 32GB DDR5-5600 memory and dual-drive storage combining M.2 SATA SSD and M.2 2280 SSD up to 2TB enable smooth multitasking. Intel integrated Graphics supports everyday visualization tasks. High Definition Audio with 1W speaker enhances communication clarity. Robust connectivity with dual 2.5GbE Ethernet, Wi-Fi 6E, and Bluetooth 5.3 ensures seamless workflows across diverse office operations



Empowering the modern workforce with a streamlined desktop experience

Lenovo's range of globally certified ThinkEdge® PCs gives modern businesses greater power in a smaller footprint, so reliable processing power can be discreetly tucked away at the edge of the business, ready for action.

In modern workstation deployments, 15.6-inch FHD touchscreen display with 350 nits brightness, anti-glare and anti-fingerprint coating supports precise visualization in control rooms design workflows. MIL-STD-810H durability, TPM 2.0 security, ErP Lot 6/26 compliance, and up to 150W power supply reinforce reliability for continuous enterprise operations.

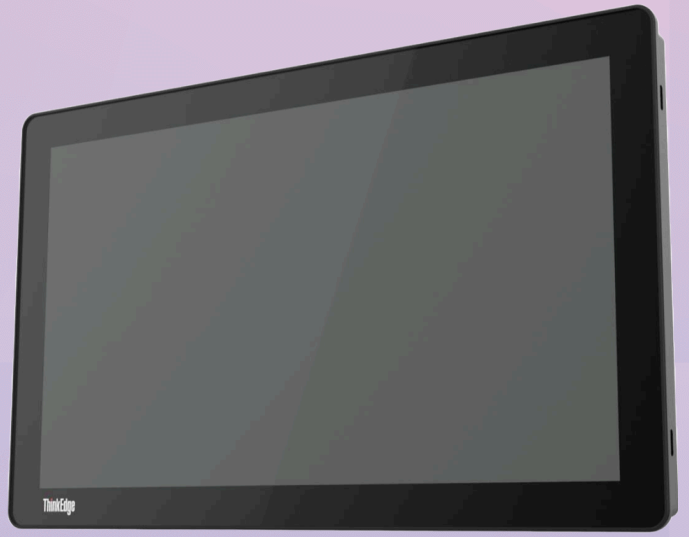
Positioned for industrial-grade deployments, extensive I/O including USB-A, USB-C with DisplayPort 1.4, GPIO, CAN bus, and dual 2.5GbE Ethernet supports integrated systems and automation workflows up to 3-year onsite warranty ensures operational continuity.

Its compact 391.21 × 239.21 × 61.0 mm chassis fits comfortably into space-constrained work areas while maintaining functionality. A 15.6-inch FHD touch display reduces the need for additional peripherals, helping create a clean, organized, and efficient workspace.

Updated 2026-08-17

Lenovo Services

Lenovo delivers tailored sustainability services, devices, and infrastructure solutions from our broad portfolio, working closely with you to support your target outcomes across the IT lifecycle..



Accessories

ThinkCentre Tiny Sandwich Kit II



- Compact mechanical bracket to mount your ThinkCentre Tiny PC between the monitor and ThinkCentre Extend Arm
- Built from high-grade steel and comes with screws for easy assembly
- Convenient access to various ports and control buttons of the Tiny PC

PN: 4XH0N04098

ThinkCentre Nano VESA Mount



- Attach ThinkCentre Nano to any VESA compatible device such as a display
- Also supports mounting on a wall, ceiling or under a desk
- Dimensions: 150mm (5.9") x 150mm (5.9") x 13mm (0.5")

PN: 4XF0V81630

ThinkEdge SE50a-15 Gen1

Performance

Processor
Intel Core 5 / 7 Processor (Series 1)

Operating System*
Windows 11 IoT Enterprise LTSC 2024
Ubuntu Linux
No preload operating system

Graphics
Intel Graphics (integrated)

Chipset
Intel SoC (System on Chip) platform

Memory
Up to 32GB DDR5-5600, 1x SODIMM

Storage
Up to two drives, 1x M.2 SATA SSD + 1x M.2 SSD
• M.2 2280 SSD up to 2TB
• M.2 2242 SATA SSD up to 1TB

Audio*
High Definition (HD) Audio
Single speaker, 1W x1

Power Supply*
150W 89%
(150W, for operating temperature 0~40°C
120W, for operating temperature 0~50°C)

Design

Display
15.6" FHD (1920x1080) 350 nits anti-fingerprint, 16:9, touch

Dimensions
391.21 × 239.21 × 61.0 mm (15.40 x 9.42 × 2.40 inches)

Weight
Around 4.3 kg (9.48 lbs)

Connectivity

Ethernet*
2x 2.5GbE, 2x RJ-45

WLAN + Bluetooth*
802.11 ax 2x2 (Wi-Fi 6E), Bluetooth 5.3

Rear ports
1x USB-A (Hi-Speed USB / USB 2.0)
3x USB-A (USB 5Gbps / USB 3.2 Gen 1)
1x USB-C (USB 10Gbps / 3.2 Gen 2) with Display Port 1.4
1x 12-24V DC-in1x Serial (RS232 / RS422 / RS485, BIOS auto select)
2x Isolated RS-232 IET module*
1x 12-bit GPIO + 1x 2-pin CAN bus IET module*
4x USB-A (5Gbps / USB 3.2 Gen 1) IET module*

Security & Privacy

Security
Discrete TPM 2.0

Lenovo services

Base Warranty
Up to 3-year limited onsite service

Certifications

Green Certifications
ErP Lot 6/26
RoHS compliant

Other Certifications
MIL-STD-810H

Items with * are optional and only available on selected models. Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. © 2026 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.